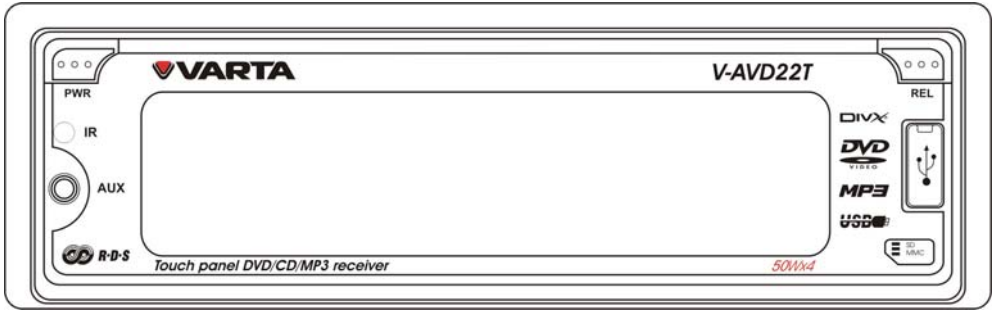
V-AVD22T



DVD/CD/MP3 receiver with touch panel
Instruction manual

DVD/CD/MP3-ресивер с сенсорной панелью
Руководство по эксплуатации

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Thank you for buying our product. It is recommended to read this manual all through to avoid any failures in its work.

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Important safeguards

- Using the device at temperature below -10ºC may cause the breakage of the device. BEFORE USING PLEASE HEAT UP THE PASSENGER COMPARTMENT TO THE RECOMMENDED TEMPERATURE!
- Read carefully through this manual to familiarize yourself with this high-quality sound system.
- Disconnect the vehicle's negative battery terminal while mounting and connecting the unit.
- When replacing the fuse, be sure to use one with an identical amperage rating. Using a fuse with a higher amperage rating may cause serious damage to the unit.
- DO NOT attempt to disassemble the unit. Laser beams from the optical pickup are dangerous to the eyes.
- Make sure that pins or other foreign objects do not get inside the unit; they may cause malfunctions, or create safety hazards such as electrical shock or laser beam exposure.
- If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.
- DO NOT open covers and do not repair yourself. Consult the dealer or an experienced technician for help.
- Make sure you disconnect the power supply and aerial if you will not be using the system for a long period or during a thunderstorm.
- Make sure you disconnect the power supply if the system appears to be working incorrectly, is making an unusual sound, has a strange smell, has smoke emitting from it or liquids have got inside it. Have a qualified technician check the system.
- The unit is designed for negative terminal of the battery, which is connected to the vehicle metal. Please confirm it before installation.
- Do not allow the speaker wires to be shorted together when the unit is switched on. Otherwise it may overload or burn out the power amplifier.
- Do not install the detachable panel before connecting the wire.

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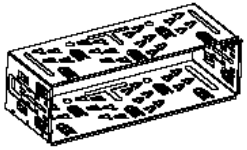
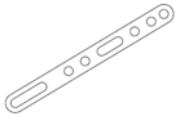
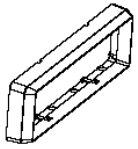
Accessories and Hardware



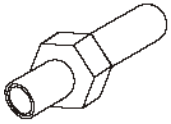
Mounting Bracket (Half Sleeve) X1



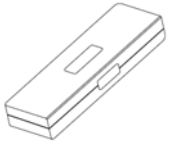
Mounting Strap X1



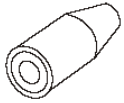
Removable Trim Ring equipped on the unit X1



Mounting Screw M5 X1

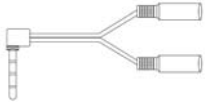


Protective Case X1

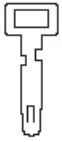


Rubber X1

Remote Control X1



AV in cable (3.5mm) X1



Open Key X2

USB cable X1

Wire Connector X1
User Manual X1

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Installation

- The unit is designed for 12V DC, negative ground operation system only. Before installing the unit, make sure your vehicle is connected to DC 12V negative ground system.
- Be sure to connect the color-coded leads according to the diagram. Incorrect connections may cause the unit to malfunction or damage the vehicle's electrical system.
- Be sure to connect the speaker (-) leads to the speaker (-) terminal. Never connect the left and right channel speaker cables to each other or to the vehicle body.
- Make sure all the connections are completely correct before turning on your unit.
- When replacing the fuse(s), the replacement must be of the same amperage as shown on the fuse holder.
- Do not block vents or radiator panels. Blocking them will cause heat to build up inside and may result in fire.
- After completing the installation, please remove the front panel at first, and then press RESET button on the base with pointed object (such as ball-point pen) to set the unit to initial status.
- Use only the parts included with unit to ensure proper installation. The use of unauthorized parts can cause malfunction.
- Consult with your nearest dealer if installation requires the drilling or other modifications of the vehicle.
- Install the unit where it does not interfere with driver's actions and cannot injure the passenger if there is a sudden stop, like an emergency stop.
- The semiconductor laser will be damaged if it overheats, so don't install the unit in hot place, for example, near a heater outlet.
- If installation angle exceeds 30 from horizontal, the unit might not give its optimum performance.
- The cords must not cover up the area shown in the figure below. This is necessary to allow a normal heat exchange of the unit.

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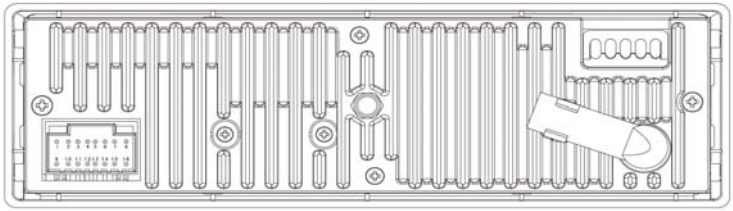
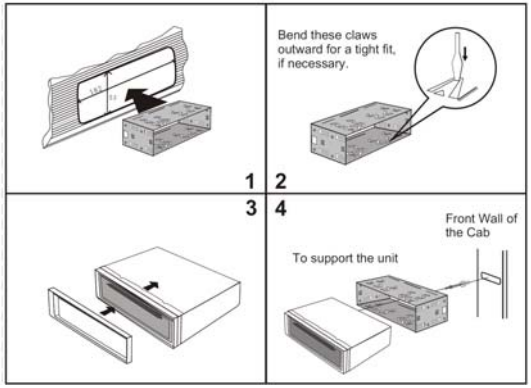


Installation Method: DIN Front-Mount



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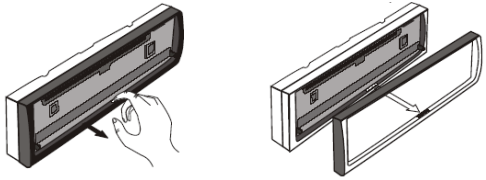
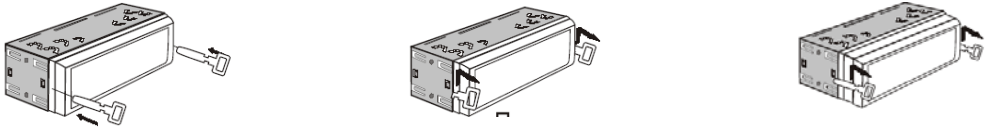
Detach the Unit

Detach the front panel before disassembling the unit.

1. Take out the outer trim frame after detaching the front panel.



2. Insert the keys supplied to the unit at both sides of the unit (shown as illustrated) until they click. Pulling the keys makes it possible to remove the unit from the dashboard.



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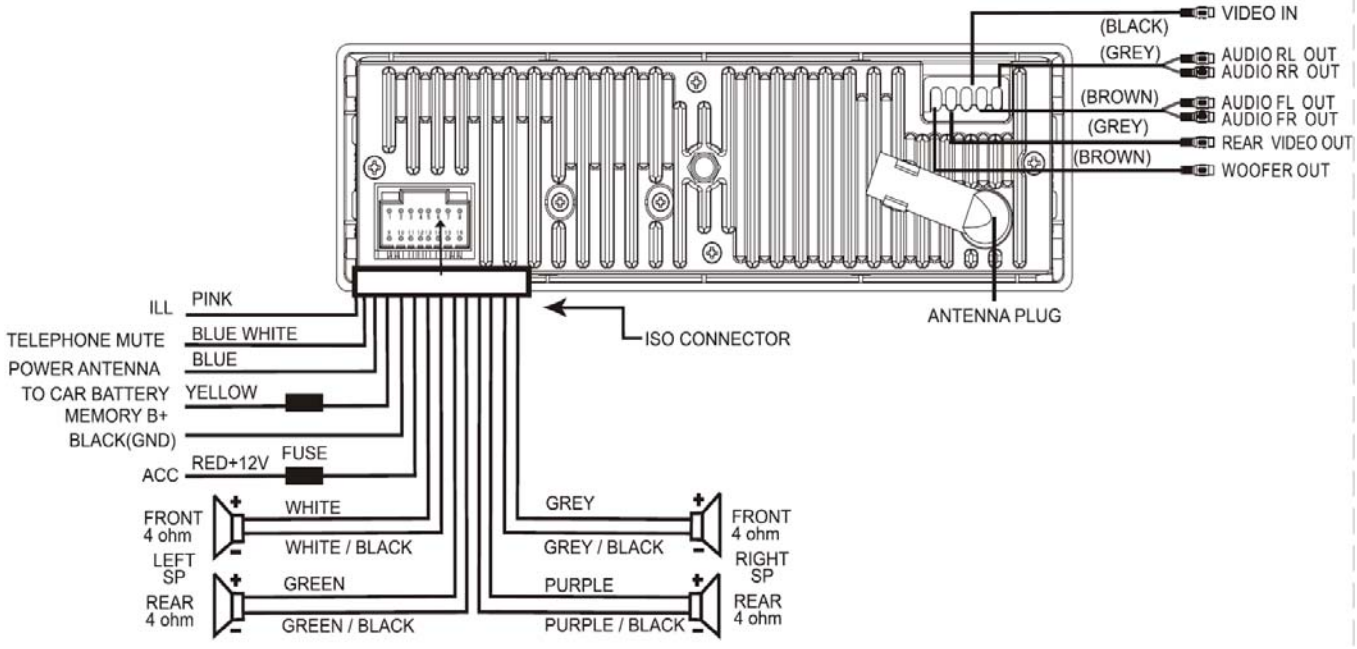
Wiring connection



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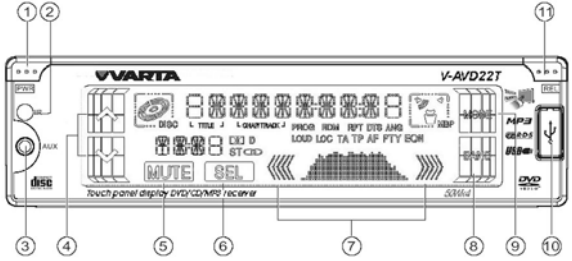
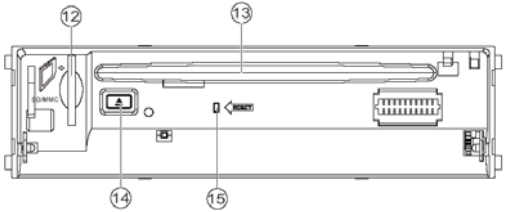
Controls

Front panel



1. POWER button – press to turn on the unit, press again to turn it off.
2. IR receiver.
3. AUX in – audio signal input.
4. /\ / \/ buttons – manual search and track search controls.
5. MUTE button – touch to turn off the sound.
6. SEL button – touch the button select to the audio settings: Bass/Treble/Balance/Fader/Vol. Touch the button longer to select: NEWS, TAVOL 16 (12~36), REG ON/OFF, EON OFF/ON, SUBW OFF/ON, BEEP ON/OFF.
7. VOL+/- buttons – touch the button to increase and decrease the volume level.
8. BAND button – in radio mode, touch the button to select between three FM or two MW bands.
   In disc playback mode, touch the button to pause current playing.
9. MODE button – touch to select radio mode, playback mode or AUX IN mode.
10. USB slot.
11. REL button– press the button to release the front panel.

Base



12. SD slot.
13. Disc loading slot.
14. EJECT button – press the button to eject CD.
15. RESET button – press the button to set the unit to initial status.

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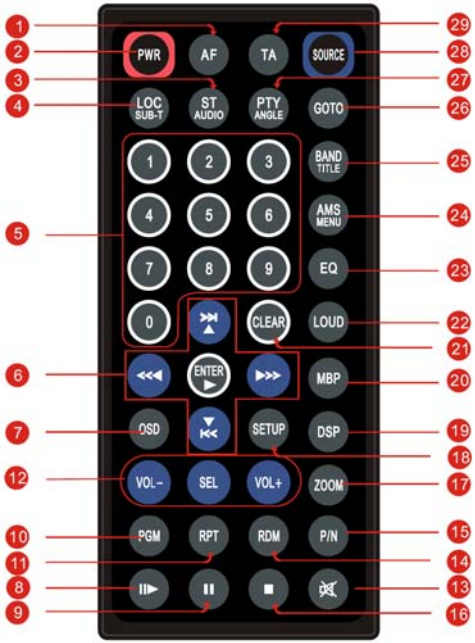
Remote control



1. AF button – in radio mode, press the button to select AF function.
2. PWR button – press to turn on/off the unit.
3. ST/AUDIO button – in radio mode, press to select stereo or mono; in DVD mode, press to change the audio language.
4. LOC/SUB-T button – in radio mode, press to select local station or distance station; in DVD mode changing the language of subtitles; Press to change the subtitle language in DVD playback mode.
5. Number buttons 0-9 – press to select track, chapter, or preset stations.
6. Cursor, ⏮/⏭, ⏮/⏭ and ▶/ENTER buttons - use them to enter and select an item in system setting menu.
7. OSD button – press the button to display title, chapter, the elapsed time, remained time.
8. ⏸▶ – in playback mode, press the button to select slow forward or slow rewind.
9. PAUSE button – press the button to pause the playback.
10. PGM button – in VCD, CD mode, press the button to set the program order to play.
11. RPT button – in playback mode, press the button to replay.
12. VOL+/VOL-/SEL buttons – press VOL+/VOL- buttons to increase or decrease volume level. Repeatedly press SEL button to select modes.
13. MUTE button – press it to turn on/off the sound.
14. RDM button – in MP3, CD mode, press the button to play tracks at random order.
15. P/N button – in DVD, VCD mode, press the button to select PAL, MULTI or NTSC system.
16. STOP button – press the button to stop the playback.

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17. ZOOM button – press the button to increase or decrease the picture in size.
18. SETUP button – in playback mode, press to display system setting picture.
19. DSP – press it to display current time.
20. MBP (My best position) button – press the button to activate «My Best Position» function.
21. CLEAR button – press the button to activate CLEAR function, it can clear the erroneous number you entered.
22. LOUD button – press the button to activate LOUD function.
23. EQ button – press the button to choose equalizer setting: POP => CLAS => ROCK => NOR.
24. AMS/MENU button – in radio mode, press to scan and store station;
    Press the button to return to the root menu of the disc in DVD playback mode.
25. BAND/TITLE button – in radio mode, press to select bands. In DVD mode, repeatedly press the button to select different titles. In MP3 mode, press to see ID3 Tag information.
26. GOTO button – press to set the playback time.
27. PTY/ANGLE button – in radio mode, press the button to select PTY function;
    Press it to change the viewing angle in DVD playback mode.
28. SOURCE button – press the button to select source.
29. TA button – in radio mode, press the button to select TA function.

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Basic Operation

Reset the unit

Operating the unit for the first time or after replacing the car battery, you must reset the unit. Remove the front panel at first, and then press RESET button on the base with a pointed object, (such as a ballpoint pen) to set the unit to initial status. This operation can only be performed with the head unit.

Note: When the touching function abates or other errors occur on the display, you can also press RESET button to resume to normal, and it will erase the clock setting and some memorized settings. After closing the front panel, the touch function will be restored after 2 seconds.

Turning the unit On/Off

Press PWR button on RC or on the head unit to turn on the unit, press it again, the unit is still in the waiting status. When the disc is inserted, the unit will automatically start playing. Keep pressing it to turn off the unit completely.

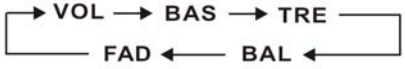
Note: After the unit is off, the volume level is memorized between 6 and 30 levels. If the volume level is set less than 6, it will resume to 6; if it is higher than 30, it will resume to 30; if it is between 6 and 30, it still stores in the status which you set.

Volume control

Press VOL+ button to increase the sound level and press VOL- button to decrease the sound level. Touching (VOL+ or VOL-) on the head unit also performs the same operation.

Setting the sound characteristics

Repeatedly press SEL button on RC or on the head unit to select the desired mode in the following order:



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Note: After selecting the desired mode, you can adjust the current level by pressing or touching VOL buttons. If you don't adjust VOL buttons within 5 seconds after selecting the desired mode, the unit will automatically return to the current mode being displayed. When P-EQ mode is activated, press or touch SEL button to select modes, BAS/TRE are invalid.

Turning Loudness On/Off

Briefly press LOUD button on the remote control to activate loud function. LOUD will be indicated on LCD. You can press this button to increase the low frequency, which can improve sensitivity. Press it again to turn off LOUD function.

Turning My Best Position (MBP)

Press MBP button to activate MBP function. If no passenger in the car, you can perform MBP function and enjoy optimum sound.

LCD	F Speaker		R Speaker	
	L	R	L	R
MBP-A	0	-4dB	-4dB	-8dB
MBP-B	-4dB	0	-8dB	-4dB
MBP-OFF	0	0	0	0

If the accurate adjustment of the volume level is needed, please use SEL button. (Refer to **Setting the Sound Characteristics** chapter for more details).

Note: After activating BAL and FAD, MBP mode will be turned off.

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EQ Setting

While listening to the popular music, classic music or rock music, you can select the corresponding preset modes to adjust the sound quality perfectly by using EQ button. Repeatedly press EQ button to choose the following modes in turn:

Note: Bass mode and Treble mode return to initial settings when EQ system is on, Bass and Treble disappear.

Mute Function

Press MUTE button to turn off the sound output. And MUTE will be indicated on the LCD. Press it again to resume to previous volume level. Touching MUTE on the head unit also performs the same operation.

Displaying and Adjusting Time

1. Displaying Time: Press DSP button and the current time will be shown on the LCD, it will return to original status after 5 seconds.
2. Adjusting Time: Press and hold DSP button until the two points in the middle of the clock stop blinking, and the hour blinks, you can press VOL+ or VOL- buttons on the remote control to adjust hours; and then press DSP button on the remote control, and when the minute blinks, you can press VOL+ or VOL- buttons on the remote control to adjust the minutes. Press SEL button to save the time setting.

Mode Selector

Press SOURCE button on the remote control or MODE button on the head unit to select radio mode, playback mode or AUX IN mode.

Infrared Sensor

Receptor for the remote control.

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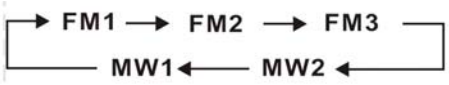
Listening to the radio

Band Selector

In radio mode, repeatedly press BAND button on the remote control or on the head unit to select bands in the following order:



Manual/Automatic Tuning

1. Manual Tuning: Press ⏮/⏭ buttons on the remote control continuously to select a station downward or upward respectively.
2. Automatic Tuning: Press and hold ⏮/⏭ buttons for a long time, the radio automatically searches a station downward or upward respectively and plays for 5 seconds when it finds a station.

Touching /\ / \/ button on the head unit also performs the same operation.

LOC

In radio mode, press LOC button on the remote control to select strong or weak station reception. It is set to LOC mode when LOC button is pressed firstly. LOC will be indicated on the display and only local stations are available. It is switched off when LOC is pressed again. Both distance and local stations can be received.

MO/ST Selector

In radio mode, you can press ST button on the remote control to select Mono mode or Stereo mode.

1. Stereo reception is on when ST is indicated.
2. It is switched to Mono mode when ST is not indicated.

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Scanning/Memorizing Stations Automatically

In radio mode, you can press AMS button on the remote control to scan each stored station for 5 seconds respectively, which stored in Number Buttons (from 1 to 6). You can press the corresponding Number Buttons or AMS button when your desired station is on. And it starts playing that station.

Press and hold AMS button for more than 3 seconds, it will activate automatically memory-storing function. The radio automatically selects a station and has it stored in any one of the Number Buttons from 1 to 6).

Note: The unit can store up to 6 stations for each band.

Number Buttons

In radio mode, number buttons (from 1 to 6) can help you to store your favorite station. You can perform the following steps: when receiving a station, press any number button (from 1 to 6) and "CHX" appears on the LCD, which indicates that station is already stored in the corresponding number button. You can store up to 18 FM stations (6 each for FM1, FM2, FM3), up to 12 AM stations (6 each for MW 1 and MW2).

NEWS, TAVOL, REG, EON, SUBW, BEEP modes

- Choose: NEWS => AFFAIRS => INFO => SPORT => EDUCATE => DRAMA => CULTURE => SCIENCE => VARIED => POP => ROCK => EASY M => LIGHT M => CLASSIC => OTHER M radio modes to find the station according your preference.
- TAVOL – volume level of transmission in TA mode;
- REG – activation of the REG (regional) mode;
- EON (Enhanced Other Networks) – activation of the EON mode. This unit is equipped with the latest technology of EON control, so that when you are listening to Radio or CD, if there is any travel announcement from a nearby local station, the radio will already know the frequency of that radio station. Then it will receive the station, turn up the volume, or interrupt the playback for the duration of the announcement. At the end of the announcement the radio will return to its previous state ready for the next announcement;

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- SUBW (Subwoofer) – activation of the line output;
- BEEP – activation of the BEEP mode. When buttons are being pressed, this action is accompanied with a beep sound.

TA (Traffic Alarm) function

Press the TA/EON button on the panel or TA button on the RC to enable or disable TA mode.

PTY (Program Type)

1. Press PTY button to activate the PTY function. The previous PTY type is shown.
2. Press PTY once again to enter the MUSIC type or press twice to enter the SPEECH type, then use buttons 1 - 6 to select the desired program type.
3. When PTY is selected, the radio starts to search corresponding PTY information, and stops if the corresponding PTY information is detected.
   If there are no keys entered for 2 seconds, previously selected PTY is searched. During 1 loop, if desired PTY is not found, NO PTY is flashed, then return to previous normal radio and PTY word disappears.
4. Press PTY button for the 3rd time to switch the PTY function off.

Note: RDS (Radio Data System) service availability varies with areas. Please understand if RDS service is not available in you area, the following service is not available, either.

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Playing a DVD

Basic operation of DVD

1. Press REL button on the head unit to open the front panel and you will see disc loading slot.
2. Insert a DVD disk into the slot; the unit will automatically switch on, if a DVD disk is loaded, press SOURCE on the remote control to start the playback. You can eject a DVD by pressing EJECT button on the base. To avoid a malfunction, make sure that no metal object comes into contact with the front panel when you open the front panel.
3. After a DVD disc has been inserted, close the front panel.
4. Use the VOL+/ VOL- to adjust the sound level.

Skip backward/forward /F.F/F.REW the playback

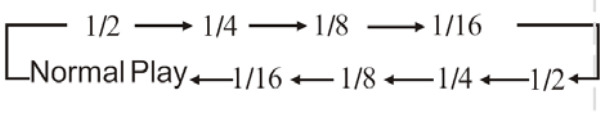
To skip back or forward to another chapter, press ⏮/⏭. Press and hold ⏮/⏭ to perform fast rewind or fast forward. Touching /\ / \/ button on the head unit also performs the same operation.

Stop the playback

Press STOP button to stop the playback.

Slow motion playback

Press ⏯ on the RC to slow forward or slow backward. There are 4 speeds each press decreases the speed until the minimum speed is reached.



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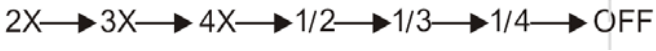
Change the size of the picture

Press ZOOM on the RC to change the picture size. There are 6 sizes. Each press changes the size until the maximum size is reached.



On-screen display

Press OSD on the RC, the television shows: title elapsed => title remain => chapter elapsed => chapter remain => display off.

Repeat Playing

In DVD mode, press RPT on the remote control to perform replaying function when you need to repeat the track you like.

1. Firstly press RPT button to repeat the current chapter being played. RPT appears on the LCD, TFT shows: CHAPTER . Which indicates replaying one chapter starts.
2. Press it again to repeat the titles on the disc. TFT shows: TITLE.
3. Press it for the third time to repeat all files on the disc. TFT shows: ALL.

Changing audio language (Multi-audio)

DVDs can provide audio playback with different language. With DVDs featuring multi-audio recordings, you can press AUDIO on the RC to switch between language and audio systems during playback.

Note: This function only operates with DVDs featuring multi-audio recordings. In VCD, CD mode, you can press AUDIO to select left channel, right channel stereo channel or mix mono channel.

Changing the subtitle language (Multi-subtitle)

With DVDs featuring multi-subtitle recordings. You can press SUB-T on the RC to switch between subtitle languages during playback. Selection options switch as follows: Subtitles 1 => Subtitles 2 => Subtitles OFF.

Note: This function only operates with DVDs featuring multi-subtitle recordings.

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Selecting different title (DVD mode)

For DVD disc, you can press TITLE on the remote control to return the top menu of the disc, and you can select different chapter or title upward or downward by using ⏮/⏭.

Selecting root menu (DVD mode)

For DVD disc, you can press MENU to enter the root menu, and then press cursor and ENTER buttons to navigate and select different sub-menus.

Setup menu

In DVD mode, press SETUP on the RC, the screen will display system-setting picture, and the user can select some relative constant parameters.

Note: The selections are the preferred options that will be chosen if they are available on a disc.

If the disc that is inserted does not have the preferred option then the discs own preference will be used. Regarding SETUP MENU, please refer to the following pages for more details. Some functions vary depending on the types of models or formats of the disc.

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Playing an MP3

Basic operation of MP3

1. Press REL button on the head unit to open the front panel. Disc loading slot appears.
2. Insert an MP3 disc into the slot; the unit will automatically switch on, if an MP3 disc is loaded, press SOURCE on the remote control to start the playback. You can eject an MP3 disc by pressing EJECT button on the base. To avoid a malfunction, make sure that no metal object comes into contact with the front panel when you open the front panel.
3. After an MP3 disc has been inserted, close the front panel.
4. Use the VOL+/VOL – on the remote control or on the head unit to adjust the sound level.

MP3 Menu Mode

Put an MP3 disc, the TV screen will display the picture as following:

Press, cursor and ENTER buttons to select choose the desired track. When playing a disc or memory card combined with MP3/MP4/WMA/DIVX files, the unit will only read the files with same format automatically. For example, if the unit reads the MP3 file first, then it can only play all MP3 files but not other formats such as

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Divx/MP4/WMA although they are in the same disc; and after MP3 playback, the unit will stop to playing. The same is for other formats. During the playback, the key of ⏮/⏭ is only available for the same format files.

Selecting Tracks/ F.F/F.REW

During MP3 playback, you can choose your favorite track by pressing ⏮/⏭ buttons on the remote control or touching /\ / \/ button on the head unit. Press and hold ⏮/⏭ button to fast rewind or fast forward or find your desired track (or portion) quickly.

Repeat Playing

In MP3 mode, press RPT when you need to repeat the track.

1. Firstly press RPT button to repeat all tracks on the disc.
2. Press it again to repeat the current track being played.
3. Press it at the third time to repeat the directory on the disc.

Note: The default setting is disc repeat.

Random Order

In MP3 mode, when pressing RDM button on the remote control, “RANDOM” will appear on the television, the unit plays any track at random under the directory, which you select. Press RDM again to return to normal playing.

Stop Playing

In MP3 mode, press STOP button to stop the playback, and the LCD shows STOP. Press ENTER/► button to revert to normal playback.

Pause the Playback

In MP3 mode, press ⏯ button to suspend the playback, and the LCD shows: PAUSE. Press it again to return to normal playback.

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On Screen Display

Press OSD button on the card remote control; the display shows single track elapsed time, single track total time This function is operated by using the remote control.

ID3 Tag Information Display

Press BAND/TITLE button on the remote control to see ID3 Tag information in the following order: TITLE => ARTIST => ALBUM => Exit.

Note: The maximum bit rate of MP3 is 192 kbps.

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Playing a VCD/CD

Basic operation of VCD/CD

1. Press REL button on the head unit to open the front panel and you will see disc loading slot.
2. Insert a VCD or CD disc into the slot, the unit will automatically switch on, if a VCD or CD disc is loaded, press SOURCE on the remote control to start the playback. You can eject a VCD or CD disc by pressing EJECT button on the base. To avoid a malfunction, make sure that no metal object comes into contact with the front panel when you open it.
3. After a VCD or CD disc has been inserted, close the front panel.
4. Use the VOL+/VOL- on the remote control or on the head unit to adjust the sound level.

System Button

In playback mode, press P/N button to set the TV standard to PAL, MULTI or NTSC system.

Selecting tracks/F.F/F.REW

In VCD, CD mode, you can choose your favorite track by pressing ⏮/⏭ buttons on the remote control or touching /\ / \/ button on the head unit. Press and hold ⏮/⏭ buttons to fast rewind or fast forward to reach find desired track (part) quickly.

Slow motion playback

In VCD mode, press ⏯ button to go slow forward. There are 4 speeds; each press decreases the speed until the minimum speed is reached.

1/2 → 1/4 → 1/8 → 1/16 → Normal Play

Change the Size of the Picture

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In VCD mode, press ZOOM to change the picture size. There are 3 sizes. Each press changes the size until the maximum size is reached.

2X → 3X → 4X → 1/2 → 1/3 → 1/4 → OFF

On Screen Display

In VCD mode Press OSD button on the card remote control, the display shows: Single elapsed => Single remain => Total elapsed => Total remain => Display off.

Setting CDs Playback Time

In DVD VCD, CD mode, press GOTO button, then using cursor and ENTER buttons set the time when you want the track to begin, and the TV will display the time: -:--:--. Enter your desired time using (0~9) Number Buttons. For example, enter: 0:25:00, it will automatically start playing the track from the point of twenty-fifth minute in the disc.

Number Button

In CD mode, you can select any track directly by using number buttons (0~9). For example, if you need the 15th track, you can firstly press button 1, and then press button 5, the corresponding track (15th) will be played.

Program Playing

In VCD, CD mode, you can set the program order to play. You can perform the following steps: in VCD, CD mode, press PGM button, and the screen will show: P00—00:00, you can enter the number of your desired track, (for example, the 5th track, enter 05; the 12th track, enter 12,) and the unit will automatically turn to: P02 : - -, P03 : - - ...and so on. (up to 99 tracks). You can set, program order by using (0~9) number buttons. And then press ENTER/► button to play them. To stop program playing, press STOP button.

Repeat Playing

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Press RPT to perform replay function when you need to repeat the track.

1. Firstly press RPT button to repeat the current track being played. **RPT** appears on the LCD. Which indicates that replaying of one track starts.
2. Press it again to release single track replaying function.

Note: The default setting is Disc Repeat.

Playing Tracks in Random Order

In VCD, CD mode, when pressing RDM button, “RANDOM” will appear on the display, the unit plays any track at random. Press it again to return to normal playing.

Stop Playing

In VCD, CD mode, press STOP button on the remote control to stop the playback, and the display shows "Press Play Key To Continue". Press ► button to return to the normal playback.

Pause the Playback

In VCD, CD mode, press PAUSE button to pause the playback; PAUSE will be indicated on LCD. Press it again to return to normal playback.

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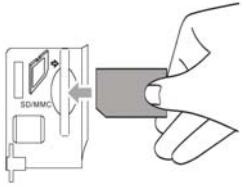
Playing a USB/SD

1. Insert USB device or SD card.



2. Press MODE button to select DVD source.

- Wait for several seconds the audio and video files in USB or SD will play automatically.
- The first playing device is USB. You can press MODE button to play SD or USB.
- When playing, insert a USB device, SD card or a disc; the last inserted device (disc) will play automatically.
- You can eject the inserted SD card by pressing it. If the SD card can not be ejected, you can pull out the SD card from the SD slot directly.

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System setup

1. Press SETUP button on the RC to enter the setup menu. In Setup mode, press SETUP button again to quit the setup page.
2. Use the ◄/► buttons to choose the setup page: General setup page, Audio setup page, Video setup page, Preference page, Password setup page, Exit.
3. Press the ▼ button to enter the setup page selected.
4. Use the ▲ and ▼ buttons to select the option you want to adjust.
5. Press ► to enter the adjustment list. Use the ▲ and ▼ buttons to select the adjustment and press ENTER or ◄ to confirm and return to options list.
6. To return to setup page list press the ◄ button in the options list.

Note: The setup is memorized and kept after power off.

General setup page

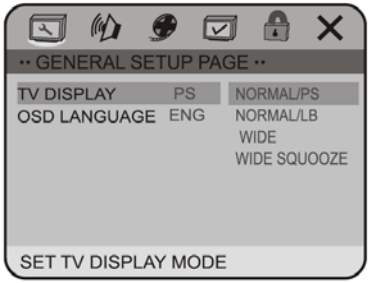
- **TV DISPLAY**

  Normal/PS: When the unit connects to the normal TV set, the wide-screen image shows on the full screen, but some part is cut off.

  Normal/LB: When the unit connects to the normal TV set, the wide-screen image shows and black bars appear on the top and bottom of screen.

  Wide: Use this item when the unit is connected with the wide screen TV set**.**

  Wide sequooze: Use this item to widen the image to TV screen width.



- **OSD LANGUAGE**

  Select on-screen display language

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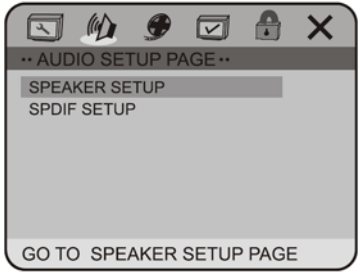
Audio setup page



- **SPEAKER SETUP (Analog audio setup page)**

- **DOWNMIX**

  LT/RT: The audio out is Left and Right channels format even if the original sound is 5.1 CH format**.**

  Stereo: The audio out format is stereo even if the original sound is 5.1 CH format.

  V surround: The audio out is virtual surround sounds (only for 5.1 CH player)

- **SPDIF SETUP (Digital audio setup page)**

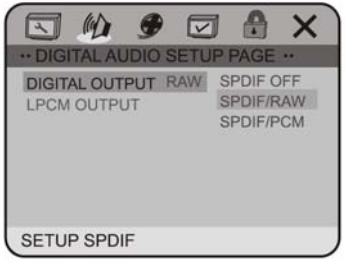
- **SPDIF OUTPUT**

  SPDIF OFF: no digital signal out (optical or coaxial output off), only analog audio output.

  SPDIF/RAW: digital signal output in the original format recorded in the disc.

  SPDIF/PCM: digital signal output in the decoded PCM form.

- **LPCM OUT (optional)**



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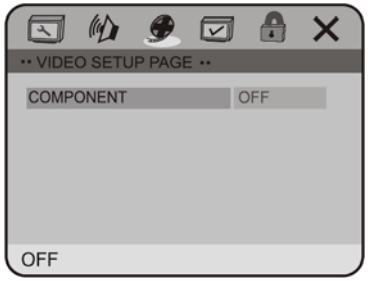
Video setup page

- **COMPONENT**

  Off: video signal is not output.



Preference page

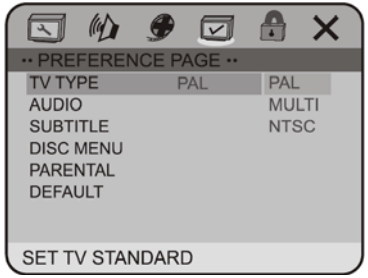
- **TV TYPE**

  This unit is suitable for all kinds of TV systems. You can select one of the PAL, NTSC or MULTI.

  PAL: this system is used in China, Europe, Hong Kong etc.

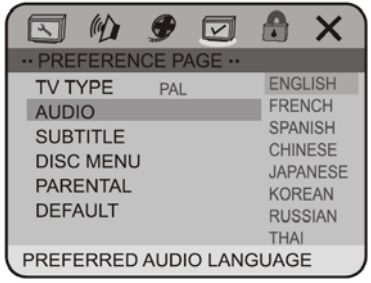
  Multi: the TV system is auto switched according to the disc system.

  NTSC: this system is used in USA, Taiwan, Japan etc.



- **AUDIO**

Audio: Sets the preferred audio language as the default when playing DVD. (If DVD supports these languages)



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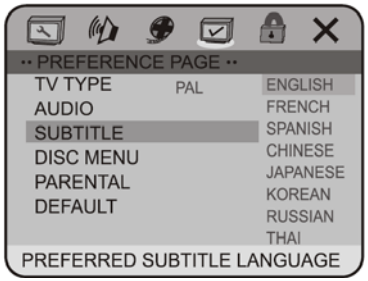
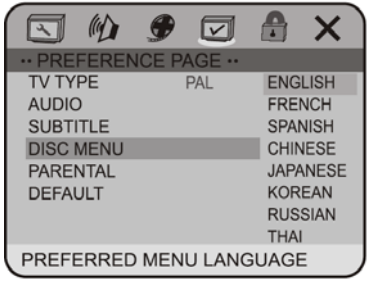
- **SUBTITLE**

Subtitle: Sets the preferred subtitle language as the default when playing DVD. (If DVD supports these languages)



- **DISC MENU**

Disc menu: Sets the preferred menu language as the default when playing DVD. (If DVD supports these languages)

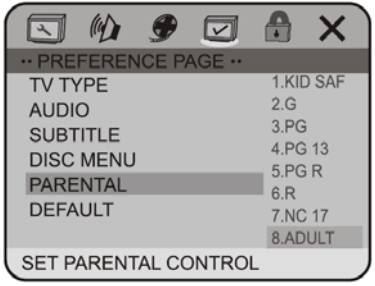


- **PARENTAL**

The parental control function works in conjunction with the different censorship classes assigned to DVDs. These classes help to control the types of DVDs that the family watches. There are up to 8 censorship classes fro DVDs.

Note:

The PARENTAL is changeable when 5.1 PASSWORD MODE set to OFF.



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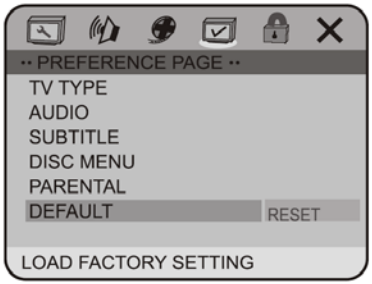
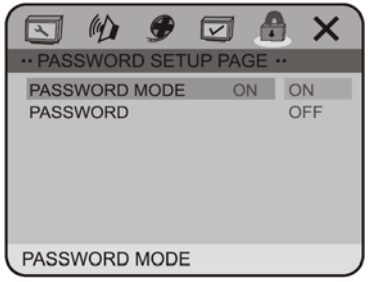
After setting the level of parental control, please, set the password as ON to perform the lock of changing.



- **DEFAULT**

Default: Resets to all the manufacturer's original settings fro this DVD player. Press ENTER to perform the reset.



Password setup page

- **PASSWORD MODE**

Set the password function to On or Off.

On: the parental control can be changed in the PARENTAL submenu (Preference page).

Off: you cannot change the parental control in Parental submenu.

- **PASSWORD**

When the password mode is ON you can change the password. Select PASSWORD => CHANGE. Use the cursor buttons to select the desired field. In the OLD PASSWORD field insert the old password or 136900 (if you forget the old one). In NEW PASSWORD field insert the new password. Insert it again in CONFIRM PWD field. Press OK to save the new password.

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Maintenance

Replacing the Fuse

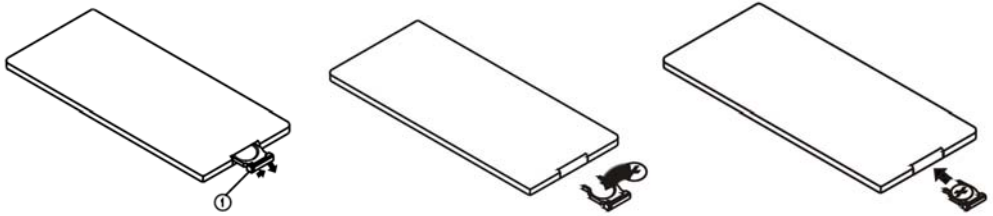
Make sure the amperage matches the specified value when replacing the fuses. If the fuse is blown, check the power connection and replace with a new one. If the same problem occurs, it would be subjected to the malfunction in-house. In such cases, please consult the nearest service dealer.

Warning: Never use the fuse with the rated amperage more than that supplied to your unit, otherwise it will damage the unit.

Replacing the Battery

When the range of the operation of the card remote control becomes short or no functions while operating. Replace the lithium battery with a new button cell (CR2025). Make sure the battery polarity before replace.

1. Gently pull out the battery holder while pressing the stopper 1.
2. Put the button-type battery with mark (+) upward into the battery holder.
3. Insert the battery holder into the remote control.



Precautions on Using Lithium Battery

- Always keep the lithium battery beyond children's reach. In case swallowed, see a doctor immediately.
- Cleaning the battery with a dry cloth, to ensure its perfect connected.
- Make sure the proper polarity when loading with the battery.
- To prevent short circuit, do not use metal tweezers to clip the battery.

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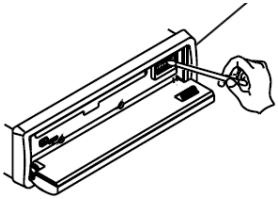
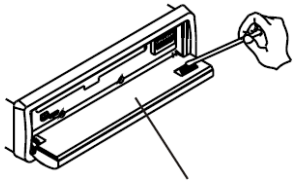
Warning: Improperly handling the battery may result in hazardous explosion. It cannot be charged, disassembled or thrown into a fire.

Cleaning the Connector

If the connector between the main unit and the front panel is dirty, it may result the unit in abnormal working condition. To avoid such problems happening, please detach the front panel, and clean the connector with an alcohol swab. Gently clean and avoid damaging the connector.

The main unit





The back side of the front panel

Note: For safekeeping, always shut down the generator and take out the key from the ignition before cleaning. Do not touch the connector finger or any metal device directly.

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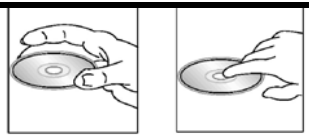
Handling discs



- Dirty, scratched or warped discs may cause skip ping or noise.
- Handle the disc only by the edges. To keep clean do not touch its surface.
- Discs should be stored in their cases after use to avoid scratches.
- Do not expose discs to direct sunlight, high humidity, high temperature or dust.
- Prolonged exposure to extreme temperature can wrap the disc (such as leaving the discs in your car during summertime).
- Do not stick or write anything on either side of disc. Sharp writing instruments, or the inks used in some felt-tip pens, may damage its surface.
- DO NOT touch the unlabeled side. DO NOT attach any seal, label or data protection sheet to either side of a disc.

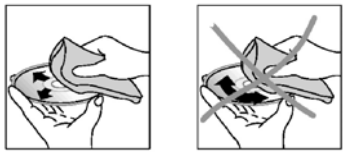
Cleaning

Cleaning the cabinet

Wipe with a soft cloth. If the cabinet is very dampen (not dropping wet) the cloth with a weak solution of soapy water, and then wipe clean.

Cleaning discs

Fingerprints should be carefully wiped from the surface of disc with a soft cloth. Unlike conventional records, compact discs have no grooves to collect dust and macroscopic dirt, so gently wiping them with a soft cloth should remove must panicles. Wipe in a straight motion from the center to the edge.



Never use thinner benzine, record cleaner or anti static spray on a compact disc. Such chemicals can damage its plastic surface.

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Anti-theft system

Remove the panel

1. Press PWR button to switch off the power of the unit.
2. Press OPEN button to flip down the panel.
3. Push the panel to the left and then pull it towards you.
4. Place the panel into the case and take it with you when you leave the car.

Remove the unit

1. Remove the panel and the trim plate.
2. Insert both T-Keys into hole on the front of the set until they lock.
3. Pull out the unit.

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Troubleshooting Guide

Problem	Cause/Solution
No power	• Check and make sure whether the fuse is blown, replace with the proper value if necessary.
Some errors occur in the LCD or no function when pressing the button	• Press RESET button.
Unable to receive stations	• Check and make sure whether the antenna is inserted or the antenna is properly connected, if so, insert the antenna or connect it properly.
Poor effect on receiving a station	• Antenna may not be the proper length. Make sure the antenna is fully extended or broken; if broken, replace the antenna with a new one.
CDs cannot be loaded	• A CD is loaded in the mechanism.
Sound skips	• The CD is dirty or damaged
No images	• The Video line from main unit to the TV is not connected properly.
Images skip	• Improper setting of the color system. Set the color system to PAL NULTI or NTSC according to the connected television.
The touch function abate	• Turn on the power again; • Press the RESET button. Touch the touching buttons after closing the front panel for 2 seconds.

Note: If any of the problem persist after check list had been made, consult your nearest service dealer. Never attempt to disassemble your unit by yourself.

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Specifications

General	
Power supply	12 V (10.8 – 16 V allowable)
Max. power output	50 W x 4
Dimensions (d/w/h)	160x178x50 mm
FM Section	
Frequency range	87,5 – 108 MHz
Usable sensitivity	10 dBμV (-30 dB)
Preset memory stations	18
AM Section	
Frequency range	522 – 1620 KHz
Preset memory stations	12
CD player section	
Playback	DVD/VCD/MPEG4/CDDA/MP3/WMA/HDCD/Picture-CD/JPEG
File format support	DVD/DVD±R/DVD±RW/CD/CD-R/CD-RW/USB/SD/MMC
Frequency response	20 Hz to 20 KHz
Signal-to-noise ratio	>60 dB
DSP sound effect	Pop, Class, Rock, Nor
Line Out	
Output	4 channel RCA line out (2V)

Due to continuous product improvement, specifications and design are subject to change without prior notice.

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